



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/692,503	10/24/2003	Christian Schoenfeld	7467 US	9282
30078 7590 08/22/2007 MATTHEW D. RABDAU TEKTRONIX, INC. 14150 S.W. KARL BRAUN DRIVE P.O. BOX 500 (50-LAW) BEAVERTON, OR 97077-0001				
			EXAMINER STARKS, WILBERT L	
			ART UNIT 2129	PAPER NUMBER
			MAIL DATE 08/22/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/692,503	Applicant(s) SCHOENFELD, CHRISTIAN	
	Examiner Wilbert L. Starks, Jr.	Art Unit 2129	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 June 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3 and 8-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3 and 8-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

The §101 rejections are withdrawn.

Claim Rejections - 35 USC §102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. §102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-3 and 8-15 are rejected under 35 U.S.C. §102(b) as being anticipated by Perholtz, et al (U.S. Patent Number 5,732,212 A; dated 24 MAR 1998; class 709; subclass 224). Specifically:

Claim 1

Claim 1's:

a) displaying a **problem field on a display device**, the problem field having a plurality of network elements for a telecommunication network;

is anticipated by Perholtz, et al, col. 44, lines 47-61, where it recites:

If a connection is made to the selected Host Unit 705, the TVLINK.EXE program **pops up a menu on the screen** with two choices permitting the Remote user to either select a normal access mode or a view only access mode. In a normal access mode, the user has full keyboard and video access to the Host Unit. In a view only access mode, the user has only the capability to view the output of the Host PC's VDAC. Next, processing continues at block 742. If the Host PC is not turned ON or

Art Unit: 2129

the Host Unit is not properly connected to the Host PC, the Host Unit will return an error that no Host Video signal is present, but the connection to the Host Unit will continue until terminated by the Remote User for the possible purpose of retrieving any VDAC screen history that may be present in the Host Unit.

Claim 1's:

b) graphically activating one of the network elements;

is anticipated by Perholtz, et al, col. 44, lines 47-61, where it recites:

If a connection is made to the selected Host Unit 705, the TVLINK.EXE program pops up a menu on the screen with two choices permitting the Remote user to either select a normal access mode or a view only access mode. In a normal access mode, the user has full keyboard and video access to the Host Unit. In a view only access mode, the user has only the capability to view the output of the Host PC's VDAC. Next, processing continues at block 742. If the Host PC is not turned ON or the Host Unit is not properly connected to the Host PC, the Host Unit will return an error that no Host Video signal is present, but the connection to the Host Unit will continue until terminated by the Remote User for the possible purpose of retrieving any VDAC screen history that may be present in the Host Unit.

Claim 1's:

c) displaying a plurality of measurement tasks on the display device which are possible with respect to the activated network element;

is anticipated by Perholtz, et al, col. 44, lines 47-61, where it recites:

If a connection is made to the selected Host Unit 705, the TVLINK.EXE program pops up a menu on the screen with two choices permitting the Remote user to either select a normal access mode or a view only access mode. In a normal access mode, the user has full keyboard and video access to the Host Unit. In a view only access mode, the user has only the capability to view the output of the Host PC's VDAC. Next, processing continues at block 742. If the Host PC is not turned ON or the Host Unit is not properly connected to the Host PC, the Host Unit will return an error that no Host Video signal is present, but the connection to the Host Unit will continue until terminated by the Remote User for the possible purpose of retrieving any VDAC screen history that may be present in the Host Unit.

Art Unit: 2129

Claim 1's:

d) graphically selecting one of the measurement tasks;

is anticipated by Perholtz, et al, col. 44, lines 47-61, where it recites:

If a connection is made to the selected Host Unit 705, the TVLINK.EXE program pops up a menu on the screen with two choices permitting the Remote user to either select a normal access mode or a view only access mode. In a normal access mode, the user has full keyboard and video access to the Host Unit. In a view only access mode, the user has only the capability to view the output of the Host PC's VDAC. Next, processing continues at block 742. If the Host PC is not turned ON or the Host Unit is not properly connected to the Host PC, the Host Unit will return an error that no Host Video signal is present, but the connection to the Host Unit will continue until terminated by the Remote User for the possible purpose of retrieving any VDAC screen history that may be present in the Host Unit.

Claim 1's:

e) entering parameters level by level in lower levels starting from a level of the activated network element, with the parameters not specified by the user being occupied by standard values; and

is anticipated by Perholtz, et al, col. 44, lines 47-61, where it recites:

If a connection is made to the selected Host Unit 705, the TVLINK.EXE program pops up a menu on the screen with two choices permitting the Remote user to either select a normal access mode or a view only access mode. In a normal access mode, the user has full keyboard and video access to the Host Unit. In a view only access mode, the user has only the capability to view the output of the Host PC's VDAC. Next, processing continues at block 742. If the Host PC is not turned ON or the Host Unit is not properly connected to the Host PC, the Host Unit will return an error that no Host Video signal is present, but the connection to the Host Unit will continue until terminated by the Remote User for the possible purpose of retrieving any VDAC screen history that may be present in the Host Unit.

Claim 1's:

f) configuring the protocol tester to perform the selected measurement task on the activated network element using the specified parameters;

Art Unit: 2129

is anticipated by Perholtz, et al, col. 36, lines 1-21, where it recites:

For Yellow on Blue 665C, the red "C" 666C and the green "C" 667C are ON and combine to create the yellow foreground color. When the red and green signals' CRCs are analyzed, a "normal" CRC "C" character results, which means the first two bits are set to foreground value of 1 and a background value of 0. When the blue signal's CRC is analyzed, the blue signal 668C forms the background only and is not part of the foreground color, since the signal matches a "inverse" CRC for the letter "C". On this basis the bit values would yield: Foreground: 110b, background: 001b.

Claim 2

Claim 2's:

2. The method according to claim 1 wherein the problem field is displayed as a visual network plan.

is anticipated by Perholtz, et al, col. 6, lines 26-67 and col. 7, lines 1-16, where it recites:

Software installed on the Remote PC permits (1) accessing a Host PC site in either a Modem Linkage or Direct Line Linkage mode, (2) initializing a modem attached to the Remote PC (including baud rate, and initialization strings) necessary for a Modem Linkage mode, (3) maintaining a list of Host Units that may be accessed from the Remote PC (including the dialing information needed to call the Host modem that is used to access each Host Unit (when in a Modem Linkage mode), the ID number for each Host Unit, and the password needed to access each Host Unit), (4) completing a Modem or Direct Line Linkage from the Remote PC to a designated Host Unit, (5) **displaying status information relating to a active connection on the Remote PC's VDM screen**, (6) scanning the Host PC's VDM screen display history transferred from the Host Unit and stored on a mass storage device on the Remote PC, (7) setting the specific procedure to be used by the active Host Unit to capture Host PC VDAC video raster output (i.e. text modes, graphic modes, etc. in either monochrome or color), (8) switching the Remote PC's keyboard and/or mouse from use as a normal Remote

keyboard and/or mouse to use as the keyboard and/or mouse for the Host PC, (9) accessing a Host PC for purposes of viewing a Host PC's VDM activity without switching the Host PC's keyboard and/or mouse to the Remote PC's keyboard and/or mouse, (10) switching the keyboard and/or mouse back from use as Host PC keyboard/mouse to use as a Remote keyboard/mouse, (11) initiating and controlling the transfer of data files between the Host and Remote PC, (12) communicating with the Host Unit using either standard telephone lines and modern communication protocols, when in a Modem Linkage mode, or a direct dedicated line, when in a Direct Line Linkage mode, (13) switching the Remote PC's VDM screen from a normal (i.e. Remote) VDM screen mode to a Host screen mode where a Host PC's VDAC output data is captured (without Host PC CPU support) and transmitted by the Host Unit to the Remote PC and is displayed on the Remote PC's VDM screen in place of the normal Remote PC's VDM screen display, (14) switching the Remote PC's VDM screen back from a Host PC video display to use as a Remote PC video display, (15) notifying the Host Unit to temporarily cut AC power input to the Host PC thereby forcing the Host PC to re-start, which is commonly referred to in the trade as a "cold-boot," (16) switching between Host Units and the Host Unit's associated Host PC in cases where more than Host Unit is interconnected, (17) changing a Host Unit's permanent or temporary password used by Remote PC's to access the Host Unit so as to prevent the unauthorized access of a Remote user to a Host PC, (18) terminating a Modem Linkage or Direct Line Linkage to a Host, (19) initiating a connection to another site, as required, (20) storing procedures necessary to train a Host Unit to decode a particular Host PC's VDAC video raster output signal, so that such procedures can be reloaded by a Remote PC into the Host PC's memory to facilitate using one Host Unit to access more than one Host PC without the need to repeat on-site training, and (21) exiting Remote PC application processing when there is no longer a need to access Host PCs.

Claim 3

Claim 3's:

3. The method according to claim 1 wherein the problem field is displayed as a pop-up menu.

is anticipated by Perholtz, et al, col. 44, lines 47-61, where it recites:

If a connection is made to the selected Host Unit 705, the TVLINK.EXE program pops up a menu on the screen with two choices permitting the Remote user to either select a normal access mode or a view only access mode. In a normal access mode, the user has full keyboard and video access to the Host Unit. In a view only access mode, the user has only the capability to view the output of the Host PC's VDAC. Next, processing continues at block 742. If the Host PC is not turned ON or

Art Unit: 2129

the Host Unit is not properly connected to the Host PC, the Host Unit will return an error that no Host Video signal is present, but the connection to the Host Unit will continue until terminated by the Remote User for the possible purpose of retrieving any VDAC screen history that may be present in the Host Unit.

Claim 8

Claim 8's:

8. The method according to claim 1 further comprising the step of displaying the network elements, including the measurement task, the interfaces, and the protocols which are eligible for configuration of the measurement task, in a visually different way on the display device than network elements still purchasable or network elements which are not offered or network elements purchasable online.

is anticipated by Perholtz, et al, col. 6, lines 26-67 and col. 7, lines 1-16, where it

recites:

Software installed on the Remote PC permits (1) accessing a Host PC site in either a Modem Linkage or Direct Line Linkage mode, (2) initializing a modem attached to the Remote PC (including baud rate, and initialization strings) necessary for a Modem Linkage mode, (3) maintaining a list of Host Units that may be accessed from the Remote PC (including the dialing information needed to call the Host modem that is used to access each Host Unit (when in a Modem Linkage mode), the ID number for each Host Unit, and the password needed to access each Host Unit), (4) completing a Modem or Direct Line Linkage from the Remote PC to a designated Host Unit, (5) **displaying status information relating to a active connection on the Remote PC's VDM screen**, (6) scanning the Host PC's VDM screen display history transferred from the Host Unit and stored on a mass storage device on the Remote PC, (7) setting the specific procedure to be used by the active Host Unit to capture Host PC VDAC video raster output (i.e. text modes, graphic modes, etc. in either monochrome or color), (8) switching the Remote PC's keyboard and/or mouse from use as a normal Remote keyboard and/or mouse to use as the keyboard and/or mouse for the Host PC, (9) accessing a Host PC for purposes of viewing a Host PC's VDM activity without switching the Host PC's keyboard and/or mouse to the Remote PC's keyboard and/or mouse, (10) switching the keyboard and/or mouse back from use as Host PC keyboard/mouse to use as a Remote keyboard/mouse, (11) initiating and controlling the transfer of data files between the Host and Remote PC, (12) communicating with the Host Unit using either standard telephone lines and modern communication protocols, when in a Modem Linkage mode, or a direct

dedicated line, when in a Direct Line Linkage mode, (13) switching the Remote PC's VDM screen from a normal (i.e. Remote) VDM screen mode to a Host screen mode where a Host PC's VDAC output data is captured (without Host PC CPU support) and transmitted by the Host Unit to the Remote PC and is displayed on the Remote PC's VDM screen in place of the normal Remote PC's VDM screen display, (14) switching the Remote PC's VDM screen back from a Host PC video display to use as a Remote PC video display, (15) notifying the Host Unit to temporarily cut AC power input to the Host PC thereby forcing the Host PC to re-start, which is commonly referred to in the trade as a "cold-boot," (16) switching between Host Units and the Host Unit's associated Host PC in cases where more than Host Unit is interconnected, (17) changing a Host Unit's permanent or temporary password used by Remote PC's to access the Host Unit so as to prevent the unauthorized access of a Remote user to a Host PC, (18) terminating a Modem Linkage or Direct Line Linkage to a Host, (19) initiating a connection to another site, as required, (20) storing procedures necessary to train a Host Unit to decode a particular Host PC's VDAC video raster output signal, so that such procedures can be reloaded by a Remote PC into the Host PC's memory to facilitate using one Host Unit to access more than one Host PC without the need to repeat on-site training, and (21) exiting Remote PC application processing when there is no longer a need to access Host PCs.

Claim 9

Claim 9's:

9. The method according to claim 1 further comprising the step of specifying in the configuring of the measurement task a protocol that contributes to solving the measurement task, with the configuring being made via graphical selection from the group consisting of a check box, a combobox and a pop-up menu.

is anticipated by Perholtz, et al, col. 44, lines 47-61, where it recites:

If a connection is made to the selected Host Unit 705, the TVLINK.EXE program pops up a menu on the screen with two choices permitting the Remote user to either select a normal access mode or a view only access mode. In a normal access mode, the user has full keyboard and video access to the Host Unit. In a view only access mode, the user has only the capability to view the output of the Host PC's VDAC. Next, processing continues at block 742. If the Host PC is not turned ON or the Host Unit is not properly connected to the Host PC, the Host Unit will return an error that no Host Video signal is present, but the connection to the Host Unit will continue until terminated by the Remote User for the possible purpose of retrieving any VDAC screen history that may be present in the Host Unit.

Claim 10

Claim 10's:

10. The method according to claim 9 further comprising the step of selecting different versions of the selected protocol by graphical selection from the group consisting of the check box, the combobox and the pop-up menu.

is anticipated by Perholtz, et al, col. 44, lines 47-61, where it recites:

If a connection is made to the selected Host Unit 705, the TVLINK.EXE program **pops up a menu on the screen** with two choices permitting the Remote user to either select a normal access mode or a view only access mode. In a normal access mode, the user has full keyboard and video access to the Host Unit. In a view only access mode, the user has only the capability to view the output of the Host PC's VDAC. Next, processing continues at block 742. If the Host PC is not turned ON or the Host Unit is not properly connected to the Host PC, the Host Unit will return an error that no Host Video signal is present, but the connection to the Host Unit will continue until terminated by the Remote User for the possible purpose of retrieving any VDAC screen history that may be present in the Host Unit.

Claim 11

Claim 11's:

11. The method according to claim 1 further comprising the step of executing **configuration** of the protocol tester hardware-wise according to the configured measurement task.

is anticipated by Perholtz, et al, col. 44, lines 16-46, where it recites:

TVLINK.EXE processing begins at block 700 on FIG. 7A. When the program is first invoked, a System Main Menu is displayed 701 with three processing options. **The first menu option, Setup System 702, permits configuring the system to the user's specific requirements** and the hardware configuration of the Remote PC where the system is being

Art Unit: 2129

installed. The second menu option "Call Host Site" 703 permits the user to cause their Remote PC to call and link to a desired Host PC. When this menu option is selected, a call list of Host Units that may be selected is displayed 704. This call list is created and maintained as part of Setup System 702 processing. When a Host Unit on the list is selected, the program initiates linkage processing to the selected Host Site, then links to the requested Host Unit. Once linked a password is requested by the Host Unit using a password transmission key based random number that causes the password transmitted by the Host Unit to be encrypted following a procedure set by the key. This approach makes it difficult for someone to decode a password being transmitted from a Remote PC to a Host Unit by tapping into the communication line. If an invalid password is received by the Host Unit, a "session" lock out counter for the Host Unit is incremented by one. If this counter exceeds the limit set for the session (see block 734 processing below), the user is locked out from any further access attempts to the Host Unit for the current session and a Host Unit lock out counter stored in non-volatile RAM in the Host Unit is incremented by one. If the Host Unit lock out counter exceeds the limit for the Host Unit (see block 734 processing below), all access to the Host PC will be blocked until someone presses the Action button on the front of the Host Unit.

Claim 12

Claim 12's:

12. The method according to claim 1 wherein the standard values are predetermined in the protocol tester.

is anticipated by Perholtz, et al, col. 44, lines 16-46, where it recites:

TVLINK.EXE processing begins at block 700 on FIG. 7A. When the program is first invoked, a System Main Menu is displayed 701 with three processing options. The first menu option, Setup System 702, permits configuring the system to the user's specific requirements and the hardware configuration of the Remote PC where the system is being installed. The second menu option "Call Host Site" 703 permits the user to cause their Remote PC to call and link to a desired Host PC. When this menu option is selected, a call list of Host Units that may be selected is displayed 704. This call list is created and maintained as part of Setup System 702 processing. When a Host Unit on the list is selected, the program initiates linkage processing to the selected Host Site, then links to the requested Host Unit. Once linked a password is requested by the Host Unit using a password transmission key based random number that

Art Unit: 2129

causes the password transmitted by the Host Unit to be encrypted following a procedure set by the key. This approach makes it difficult for someone to decode a password being transmitted from a Remote PC to a Host Unit by tapping into the communication line. If an invalid password is received by the Host Unit, a "session" lock out counter for the Host Unit is incremented by one. If this counter exceeds the limit set for the session (see block 734 processing below), the user is locked out from any further access attempts to the Host Unit for the current session and a Host Unit lock out counter stored in non-volatile RAM in the Host Unit is incremented by one. If the Host Unit lock out counter exceeds the limit for the Host Unit (see block 734 processing below), all access to the Host PC will be blocked until someone presses the Action button on the front of the Host Unit.

Claim 13

Claim 13's:

13. The method according to claim 1 further comprising the step of during the selection of the measurement task offering previously configured measurement tasks on the display device for selection.

is anticipated by Perholtz, et al, col. 44, lines 16-46, where it recites:

TVLINK.EXE processing begins at block 700 on FIG. 7A. When the program is first invoked, a System Main Menu is displayed 701 with three processing options. The first menu option, Setup System 702, permits configuring the system to the user's specific requirements and the hardware configuration of the Remote PC where the system is being installed. The second menu option "Call Host Site" 703 permits the user to cause their Remote PC to call and link to a desired Host PC. When this menu option is selected, a call list of Host Units that may be selected is displayed 704. This call list is created and maintained as part of Setup System 702 processing. When a Host Unit on the list is selected, the program initiates linkage processing to the selected Host Site, then links to the requested Host Unit. Once linked a password is requested by the Host Unit using a password transmission key based random number that causes the password transmitted by the Host Unit to be encrypted following a procedure set by the key. This approach makes it difficult for someone to decode a password being transmitted from a Remote PC to a Host Unit by tapping into the communication line. If an invalid password is received by the Host Unit, a "session" lock out counter for the Host Unit is incremented by one. If this counter exceeds the limit set for the session (see block 734 processing below), the user is locked out

Art Unit: 2129

from any further access attempts to the Host Unit for the current session and a Host Unit lock out counter stored in non-volatile RAM in the Host Unit is incremented by one. If the Host Unit lock out counter exceeds the limit for the Host Unit (see block 734 processing below), all access to the Host PC will be blocked until someone presses the Action button on the front of the Host Unit.

Claim 14

Claim 14's:

14. The method according to claims 1 or 13 further comprising the step of during the selection of the measurement task offering previously configured measurement tasks on the display device for modification.

is anticipated by Perholtz, et al, col. 44, lines 16-46, where it recites:

TVLINK.EXE processing begins at block 700 on FIG. 7A. When the program is first invoked, a System Main Menu is displayed 701 with three processing options. The first menu option, Setup System 702, permits configuring the system to the user's specific requirements and the hardware configuration of the Remote PC where the system is being installed. The second menu option "Call Host Site" 703 permits the user to cause their Remote PC to call and link to a desired Host PC. When this menu option is selected, a call list of Host Units that may be selected is displayed 704. This call list is created and maintained as part of Setup System 702 processing. When a Host Unit on the list is selected, the program initiates linkage processing to the selected Host Site, then links to the requested Host Unit. Once linked a password is requested by the Host Unit using a password transmission key based random number that causes the password transmitted by the Host Unit to be encrypted following a procedure set by the key. This approach makes it difficult for someone to decode a password being transmitted from a Remote PC to a Host Unit by tapping into the communication line. If an invalid password is received by the Host Unit, a "session" lock out counter for the Host Unit is incremented by one. If this counter exceeds the limit set for the session (see block 734 processing below), the user is locked out from any further access attempts to the Host Unit for the current session and a Host Unit lock out counter stored in non-volatile RAM in the Host Unit is incremented by one. If the Host Unit lock out counter exceeds the limit for the Host Unit (see block 734 processing below), all access to the Host PC will be blocked until someone presses the Action button on the front of the Host Unit.

Claim 15

Claim 15's:

means for displaying a problem field, the problem field having a plurality of network elements for a telecommunication network;

is anticipated by Perholtz, et al, col. 44, lines 47-61, where it recites:

If a connection is made to the selected Host Unit 705, the TVLINK.EXE program pops up a menu on the screen with two choices permitting the Remote user to either select a normal access mode or a view only access mode. In a normal access mode, the user has full keyboard and video access to the Host Unit. In a view only access mode, the user has only the capability to view the output of the Host PC's VDAC. Next, processing continues at block 742. If the Host PC is not turned ON or the Host Unit is not properly connected to the Host PC, the Host Unit will return an error that no Host Video signal is present, but the connection to the Host Unit will continue until terminated by the Remote User for the possible purpose of retrieving any VDAC screen history that may be present in the Host Unit.

Claim 15's:

means for graphically activating one of the network elements;

is anticipated by Perholtz, et al, col. 44, lines 47-61, where it recites:

If a connection is made to the selected Host Unit 705, the TVLINK.EXE program pops up a menu on the screen with two choices permitting the Remote user to either select a normal access mode or a view only access mode. In a normal access mode, the user has full keyboard and video access to the Host Unit. In a view only access mode, the user has only the capability to view the output of the Host PC's VDAC. Next, processing continues at block 742. If the Host PC is not turned ON or the Host Unit is not properly connected to the Host PC, the Host Unit will return an error that no Host Video signal is present, but the connection to the Host Unit will continue until terminated by the Remote User for the possible purpose of retrieving any VDAC screen history that may be present in the Host Unit.

Claim 15's:

Art Unit: 2129

means for displaying a plurality of measurement tasks which are possible with respect to the activated network topology element;

is anticipated by Perholtz, et al, col. 44, lines 47-61, where it recites:

If a connection is made to the selected Host Unit 705, the TVLINK.EXE program pops up a menu on the screen with two choices permitting the Remote user to either select a normal access mode or a view only access mode. In a normal access mode, the user has **full keyboard and video access** to the Host Unit. In a view only access mode, the user has only the capability to **view the output of the Host PC's VDAC**. Next, processing continues at block 742. If the Host PC is not turned ON or the Host Unit is not properly connected to the Host PC, the Host Unit will return an error that no Host Video signal is present, but the connection to the Host Unit will continue until terminated by the Remote User for the possible purpose of retrieving any VDAC screen history that may be present in the Host Unit.

Claim 15's:

a storage device in which standard values for parameters are stored, which standard values may serve for the configuration of the measurement task; and

is anticipated by Perholtz, et al, col. 44, lines 16-46, where it recites:

TVLINK.EXE processing begins at block 700 on FIG. 7A. When the program is first invoked, a System Main Menu is displayed 701 with three processing options. The first menu option, Setup System 702, permits configuring the system to the user's specific requirements and the hardware configuration of the Remote PC where the system is being installed. The second menu option "Call Host Site" 703 permits the user to cause their Remote PC to call and link to a desired Host PC. When this menu option is selected, a call list of Host Units that may be selected is displayed 704. This call list is created and maintained as part of Setup System 702 processing. When a Host Unit on the list is selected, the program initiates linkage processing to the selected Host Site, then links to the requested Host Unit. Once linked a password is requested by the Host Unit using a password transmission key based random number that causes the password transmitted by the Host Unit to be encrypted following a procedure set by the key. This approach makes it difficult for someone to decode a password being transmitted from a Remote PC to a Host Unit by tapping into the communication line. If an invalid password is received by the Host Unit, a "session" lock out counter for the Host Unit is incremented by one. If this counter exceeds the limit set

Art Unit: 2129

for the session (see block 734 processing below), the user is locked out from any further access attempts to the Host Unit for the current session and a Host Unit lock out counter stored in non-volatile RAM in the Host Unit is incremented by one. If the Host Unit lock out counter exceeds the limit for the Host Unit (see block 734 processing below), all access to the Host PC will be blocked until someone presses the Action button on the front of the Host Unit.

Claim 15's:

means for graphically selecting one of the measurement tasks;

is anticipated by Perholtz, et al, col. 44, lines 47-61, where it recites:

If a connection is made to the selected Host Unit 705, the TVLINK.EXE program pops up a menu on the screen with two choices permitting the Remote user to either **select** a normal access mode or a view only access mode. In a normal access mode, the user has full keyboard and video access to the Host Unit. In a view only access mode, the user has only the capability to view the output of the Host PC's VDAC. Next, processing continues at block 742. If the Host PC is not turned ON or the Host Unit is not properly connected to the Host PC, the Host Unit will return an error that no Host Video signal is present, but the connection to the Host Unit will continue until terminated by the Remote User for the possible purpose of retrieving any VDAC screen history that may be present in the Host Unit.

Claim 15's:

means for entering further parameters level by level in lower levels starting from a level of the activated network element, with the parameters not specified by the user being occupied by standard values; and

is anticipated by Perholtz, et al, col. 44, lines 16-46, where it recites:

TVLINK.EXE processing begins at block 700 on FIG. 7A. When the program is first invoked, a System Main Menu is displayed 701 with three processing options. The first menu option, Setup System 702, permits configuring the system to the user's specific requirements and the hardware configuration of the Remote PC where the system is being installed. The second menu option "Call Host Site" 703 permits the user to cause their Remote PC to call and link to a desired Host PC. When

Art Unit: 2129

this menu option is selected, a call list of Host Units that may be selected is displayed 704. This call list is created and maintained as part of Setup System 702 processing. When a Host Unit on the list is selected, the program initiates linkage processing to the selected Host Site, then links to the requested Host Unit. Once linked a password is requested by the Host Unit using a password transmission key based random number that causes the password transmitted by the Host Unit to be encrypted following a procedure set by the key. This approach makes it difficult for someone to decode a password being transmitted from a Remote PC to a Host Unit by tapping into the communication line. If an invalid password is received by the Host Unit, a "session" lock out counter for the Host Unit is incremented by one. If this counter exceeds the limit set for the session (see block 734 processing below), the user is locked out from any further access attempts to the Host Unit for the current session and a Host Unit lock out counter stored in non-volatile RAM in the Host Unit is incremented by one. If the Host Unit lock out counter exceeds the limit for the Host Unit (see block 734 processing below), all access to the Host PC will be blocked until someone presses the Action button on the front of the Host Unit.

Claim 15's:

means for configuring the protocol tester to perform the selected measurement task on the activated network element using the specified parameters;

is anticipated by Perholtz, et al, col. 36, lines 1-21, where it recites:

For Yellow on Blue 665C, the red "C" 666C and the green "C" 667C are ON and combine to create the yellow foreground color. When the red and green signals' CRCs are analyzed, a "normal" CRC "C" character results, which means the first two bits are set to foreground value of 1 and a background value of 0. When the blue signal's CRC is analyzed, the blue signal 668C forms the background only and is not part of the foreground color, since the signal matches a "inverse" CRC for the letter "C". On this basis the bit values would yield: Foreground: 110b, background: 001b.

Response to Arguments

3. Applicant's arguments filed 06/07/2007 have been fully considered but they are not persuasive. Specifically, Applicant argues:

Argument

Rejection of Claims 1-3 and 8-15 under 35 U.S.C. §102(b)

The Examiner rejected claims 1-3 and 8-15 under 35 U.S.C. §102(b) as being anticipated by Perholtz.

Applicants maintain that Perholtz does not describe a "protocol tester" as recited in independent claims 1 and 15. A protocol tester is a type of test and measurement equipment used for testing communication network protocols, well-known to those of ordinary skill in the art. An example of a protocol tester is a K1297/K1205 Series Protocol Tester available from Tektronix, Inc. A brochure describing the K1297/K1205 (dated February 8, 2002) is attached hereto and is also available at http://www.tek.com/site/ps/2F-15355/pdfs/2FW_15355.pdf.

The Examiner writes that Perholtz anticipates a protocol tester at column 39, lines 26-39. Applicants respectfully disagree. The cited text merely describes a protocol, i.e., a set of rules for communication, that a keyboard uses to communicate with a personal computer. (column 39, lines 13-25) The mere fact that Perholtz makes use of a protocol does not mean that Perholtz anticipates a "protocol tester." Indeed, many modern digital devices communicate using protocols, e.g. computers in general, but one of ordinary skill in the art would not consider them to anticipate "protocol testers."

Accordingly, because Perholtz does not describe a "protocol tester" as recited in claims 1 and 15, Perholtz does not anticipate claims 1 and 15. Therefore, Applicants request that the rejection of claims 1 and 15 under 35 U.S.C. §102(b) be withdrawn.

Claims 2, 3, and 8-14 are in condition for allowance because they depend from claim 1, which is in condition for allowance as discussed above. Applicants therefore request that the rejection of claims 2, 3, and 8-14 under 35 U.S.C. §102(b) be withdrawn.

The prior art discloses a Cyclic Redundancy Check (CRC) or "checksum."

Applicant has not provided enough detail in the claims to distinguish the invention from a CRC analysis of a protocol. Applicant has not specified the protocol tested nor has he specified the method of testing. The rejections stand.

Conclusion

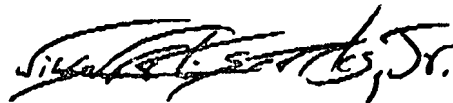
Art Unit: 2129

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Wilbert L. Starks, Jr. whose telephone number is (571) 272-3691.

Alternatively, inquiries may be directed to the following:

S. P. E. David Vincent (571) 272-3080

Official (FAX) (571) 273-8300

A handwritten signature in black ink, appearing to read "Wilbert L. Starks, Jr.", with a stylized, cursive script.

Wilbert L. Starks, Jr.
Primary Examiner
Art Unit 2129

WLS

20 AUG 2007